

POWER ASSISTANCE DEVICE FOR AN ULTRASONIC VIBRATION
DENTAL HANDPIECE

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ABSTRACT

The invention relates to a power assistance device for an ultrasonic dental handpiece (5). Said device comprises a working circuit comprising a parallel impedance (Ls) between the output terminals (S1, S2) and a control circuit which consists of a current transformer (T2), whereby the primary winding (7) thereof is serially arranged in the working circuit and the secondary winding (11) forms an RLC circuit in conjunction with a capacitor (13) and a resistor (15) associated therewith, whereby the voltage of said circuit at the terminals of the resistor (15) is transmitted to the input of the above-mentioned power supply (1). The control circuit comprises means enabling variations in the value of the capacitor (13) and/or the value of the self-inductance coil of the secondary winding (11) of the transformer (T2).

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